

A NEW SPECIES OF CRYPTUS FROM THE CANARY ISLANDS (HYMENOPTERA, CRYPTINAE)

by

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Cryptus verutus spec. nov.¹⁾

Characteristics of the holotype. Female, 9.2 mm. Front wing, 7.5 mm. Labels: a white tag "Guimar", 31.V.(19)65 — Tenerife, leg. I. Klimesch (written). Holotype, labelled accordingly. The specimen belongs to the collection of Prof. Dr. H. Priesner at Linz (Austria).

Head black with slight yellow lining of inner and outer orbits. Clypeus strongly convex, polished with some scattered punctures from which relatively long, erect bristles arise. Facial convexity weak. Face regularly and closely punctured, with fine alutaceous microsculpture. Malar space : breadth mandibular base, 1 : 1 (broad). Scapi broadly pear-shaped. Postanellus slender, index 6.0. Antennal scrobes weakly concave, transversely wrinkled. Frons rugosely wrinkled. OOL: diameter posterior ocellus, 1 : 1. OOL narrow, alutaceous. Ocelli relatively large. Vertex with close punctures and somewhat transversely wrinkled. Temple and gena polished, finely and widely punctured with conspicuous, suberect hairs.

Thorax black, only a yellow spot on notum 1 at dorsal apex of epomia, all over roughly sculptured, except mesoscutum and scutellum 2 which are polished with more widely spaced rough punctures. Entire thorax with erect to suberect strong bristles. Epomia strong. Prescutal sutures long, reaching wing base, with rough transverse wrinkles. Speculum large. Wings somewhat infusate. Areola with strongly converging sides, closely resembling that in *C. immitis* Tschek. In the hind wing, medial cell long, with sides (M + Cu-1 and 1A) parallel. Nervellus intercepted far below the middle, the angle with M + Cu-1 right. Cu-1 reaching wing margin. Axillus gradually converging towards inner hind margin of hind wing. Propodeum with anterior transverse carina obsolescent; posterior transverse carina well developed in the sublateral region, there forming a rather strong ridge. Propodeal spiracle small, elliptic. Legs with all coxae and most of the trochanters black. All femora orange; indices: 4.5 (1); 5.5(2); 5.7 (3).

Gaster with petiole slender. Petiole (measured from dorsal edge of orifice to spiracle): postpetiole, 5 : 2. Petiole black, rest of gaster orange. All tergites subpolished, with vague indication of microsculpture. Ovipositor slightly curved, exceptionally long, 1.0 length of front wing, with a long tapering tip.

Cryptus verutus hierroensis subsp. nov.

A specimen from the island of Hierro (Canaries) agrees reasonably with the specimen

¹⁾ Verutus = armed with a spear.

described above. Some characters rather suggest that it belongs to a geographically isolated population.

The following description relates to the holotype, one of two specimens under the label *Cryptus hellenicus* in Schmiedeknecht's material in the Berlin museum (compare my paper on *Meringopus*, 1969a).

Characteristics of the holotype. Female, 9.5 mm. Front wing, 7.5 mm. Labels: a light blue tag Hierro (Canar. Ins.) Hinz V. (printed); 9.IV.(18)98 (written). A large white label with Schmiedeknecht's writing: "*Cryptus* n. sp. dicht bei *C. hellenicus* Schmied". Holotype, labelled accordingly.

Head black with slight yellow lining of inner and outer orbits. Clypeus strongly convex, polished, with some scattered punctures. Hairs spoilt, but relatively long. Facial convexity weak. Face regularly and closely punctured, with fine alutaceous microsculpture. Malar space: breadth mandibular base, 6:5. Scapi broadly pear-shaped. Postanellus slender, index 7.4. Antennal scrobes weakly concave, lower part polished. Frons rugosely wrinkled. OOL: diameter posterior ocellus, 1:1. OOL narrow. Ocelli relatively large. Vertex closely punctate, somewhat transversely wrinkled. Temple and gena polished, finely and widely punctured, with long hairs (spoilt).

Thorax black, only a yellow spot at dorsal apex of epomia; all over roughly sculptured, except mesoscutum and scutellum 2, which are polished, with more widely spaced rough punctures. Entire thorax with erect to suberect strong bristles. Epomia indicated. Prescutal sutures long, reaching beyond base of fore wing, with rough transverse wrinkles. Wings somewhat infusate. Areola with strongly converging sides. In the hind wing, medial cell long, with sides (M + Cu-1 and 1 A) parallel. Nervellus intercepted far below the middle; the angle with M + Cu-1 right. Cu-1 reaching wing margin. Axillus converging towards hind margin. Propodeum with anterior transverse carina obsolescent; posterior transverse carina present, bluntly and weakly dentate sublaterally. Propodeal spiracle small, elliptic. Legs with all coxae and trochanters black. All femora orange; indices: 4.6 (1); 5.6 (2); 5.2 (3).

Gaster. An important difference with the nominate form lies in the relation between the lengths of petiole and postpetiole. Petiole (measured from dorsal edge of orifice to spiracle): postpetiole, 4.5:2. Petiole definitely shorter and stouter than in the nominate form, black. Rest of gaster orange. All tergites finely alutaceous. Ovipositor, 0.96 length of front wing, slightly curved. Tip resembling that in the nominate form.

Male. — Unknown.

Discussion. — *Cryptus verutus* shows relationship towards *Cryptus immitis* Tschek. There are nevertheless some important differential characters; a. the ovipositor longer, 0.96—1.0 length of front wing; 0.63—0.73 in *immitis*; b. only anterior transverse carina present; in *immitis* both carinae in most specimens strong, with indication of area superomedia; c. tergites 2 and 3 almost polished to subpolished; in *immitis* rather conspicuously granulated; d. antennae without white band; in *immitis* with a white band.

In my key (Van Rossem, 1969b : 310) to the females of *Cryptus*, *C. verutus* should be placed in item 11 as follows:

11. Ovipositor longer than 0.80 length of front wing. Tergites 2 and 3 subpolished or with very fine microsculpture. Only anterior carina of propodeum present *C. verutus* sp. n.

- Ovipositor shorter than 0.80 length of front wing. Tergites 2 and 3 conspicuously alutaceous or finely granulated. Usually both propodeal carinae well indicated 11 a & b (as in my key)

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